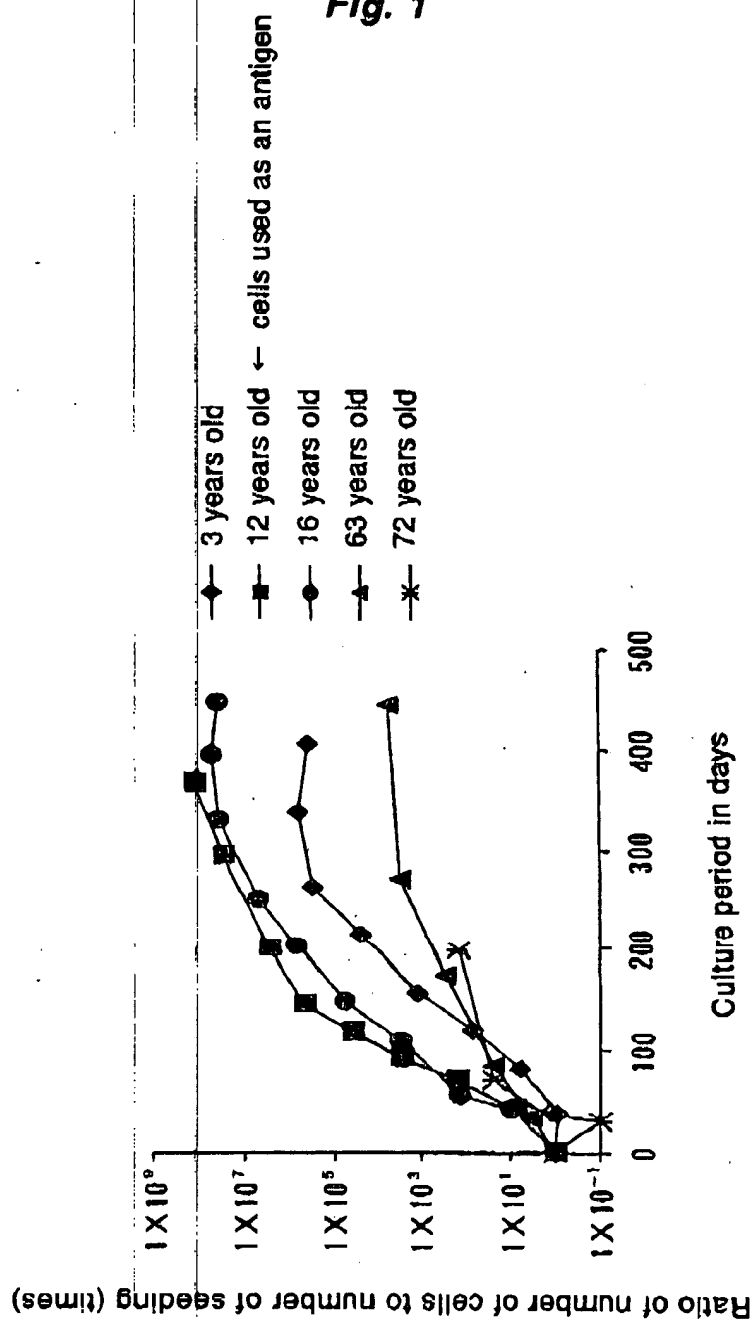


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Fig. 1



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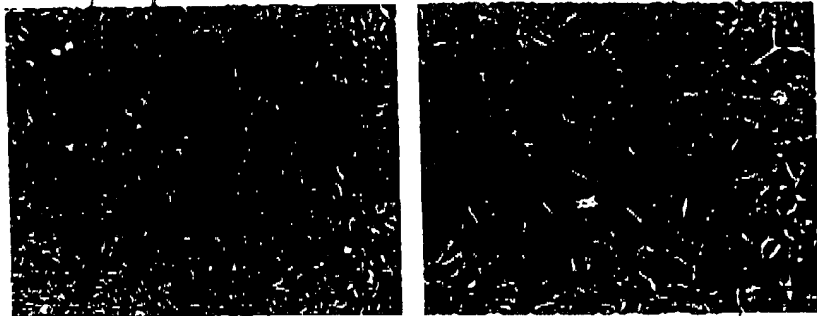
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Fig. 2

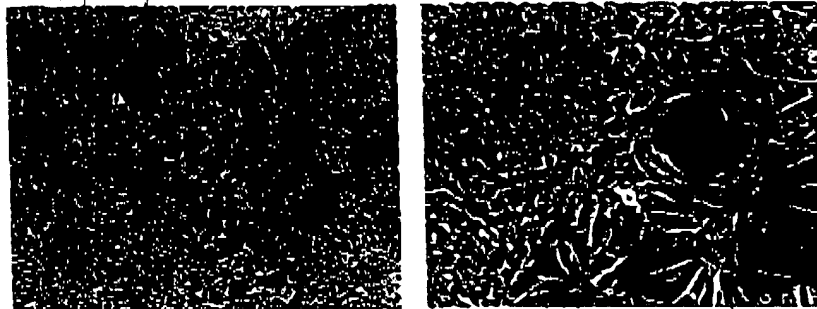
Human hepatocytes (12 years old) used as an antigen
to prepare a monoclonal antibody

Primary culture

At 30 days

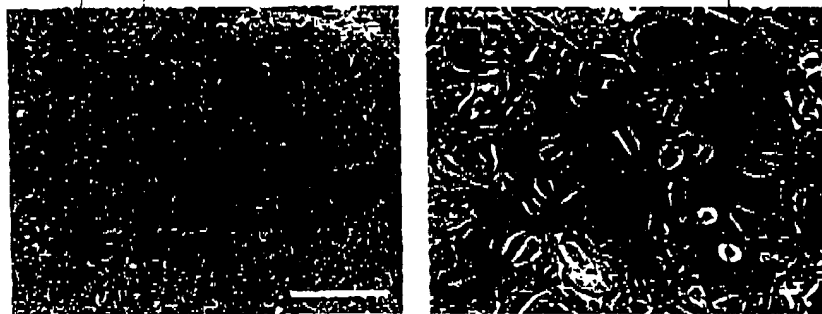


At 43 days



Subculture (3 passages) → immunizing mice

After 33 days



Bar, 100 μ m

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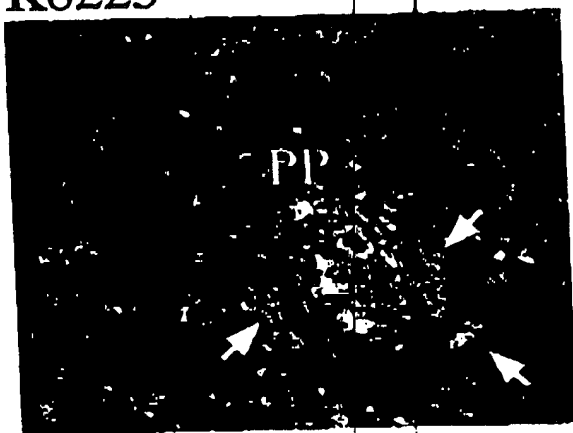
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Fig.3

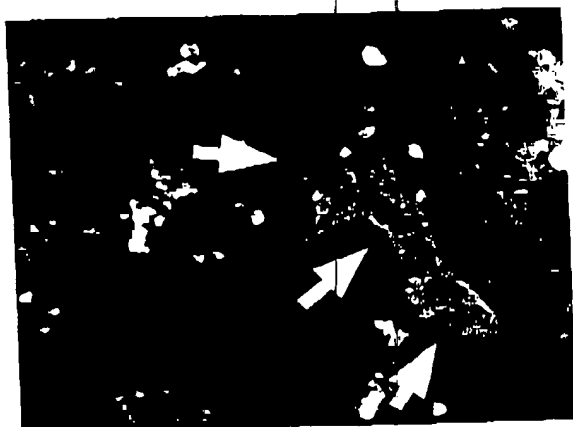
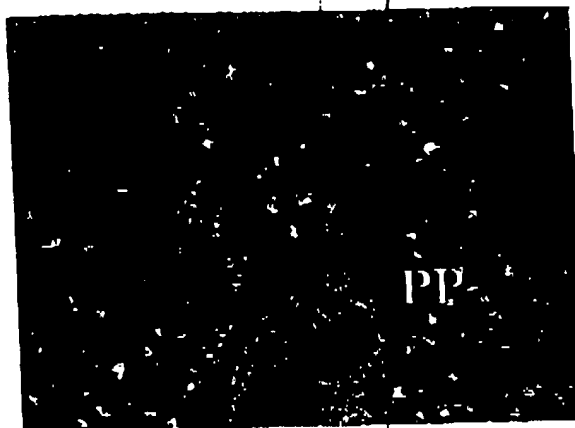
Human tissue (62 years old)

Hybridoma culture supernatant (K8223)

K8223



No primary antibody



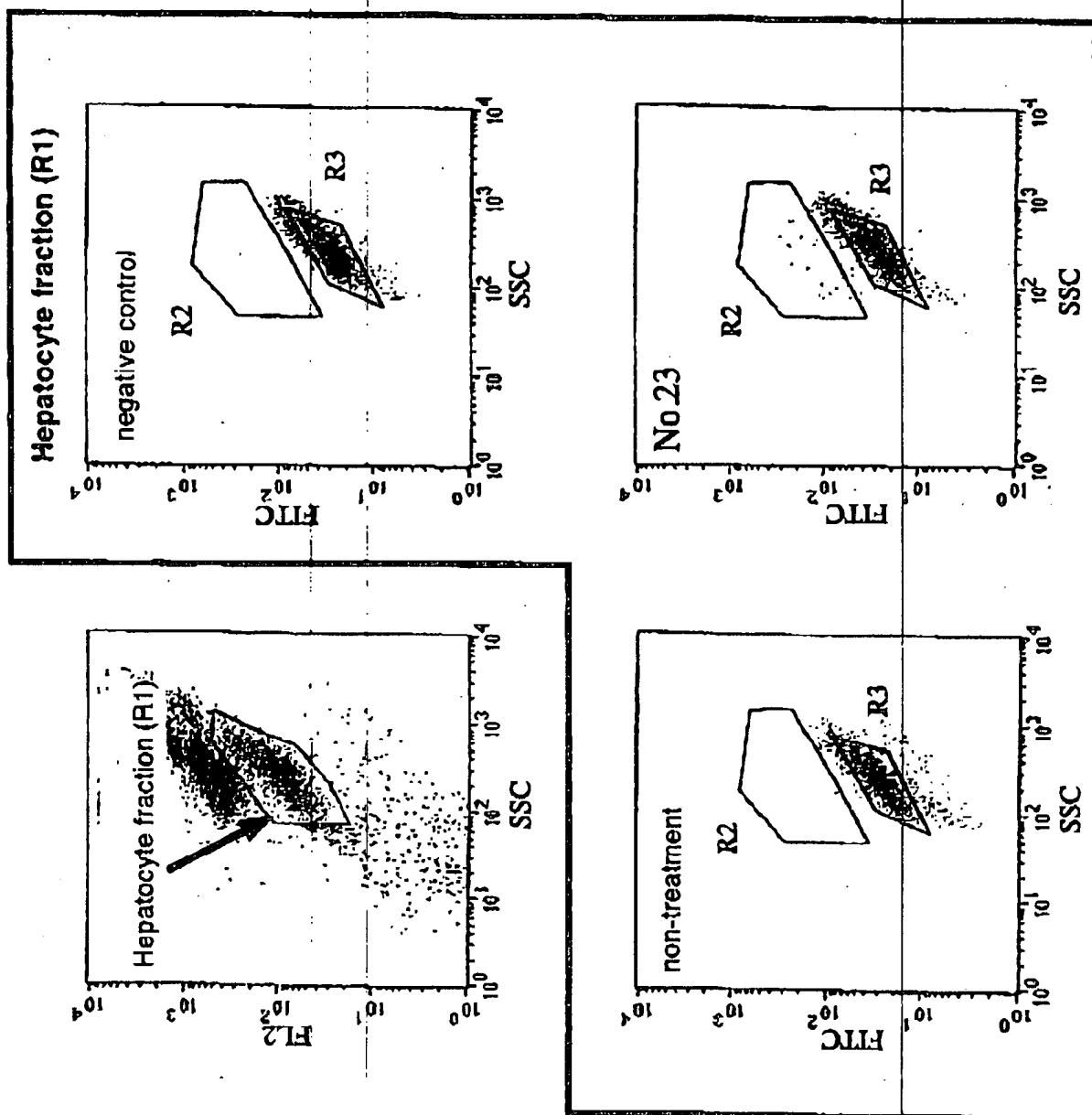
Bar, 50 μ m

PP: Portal region

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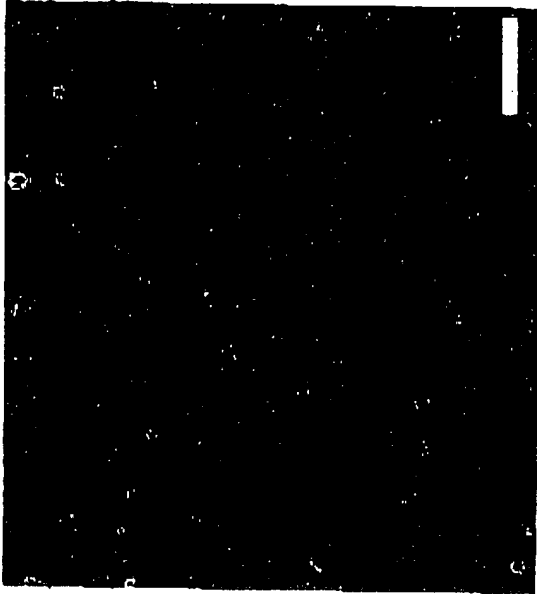
Fig. 4



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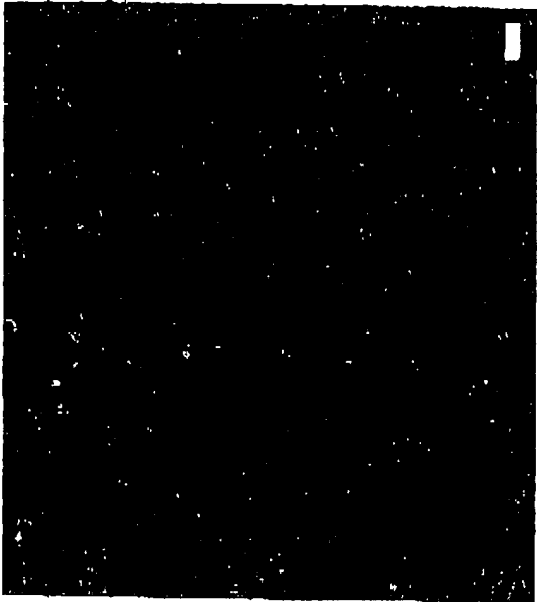
Hybridoma culture supernatant: No.23
Isolated human hepatocytes (49 years old)

At day 1 in culture



Before sorting

At day 8 in culture



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Fig. 5

Bar, 100 μ m

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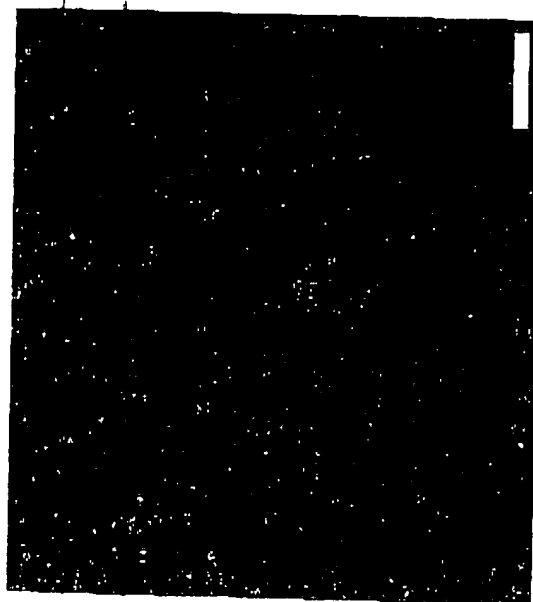
Fig. 5/1

At day 8 in culture



Bar, 100 μ m

At day 1 in culture



R2 fraction

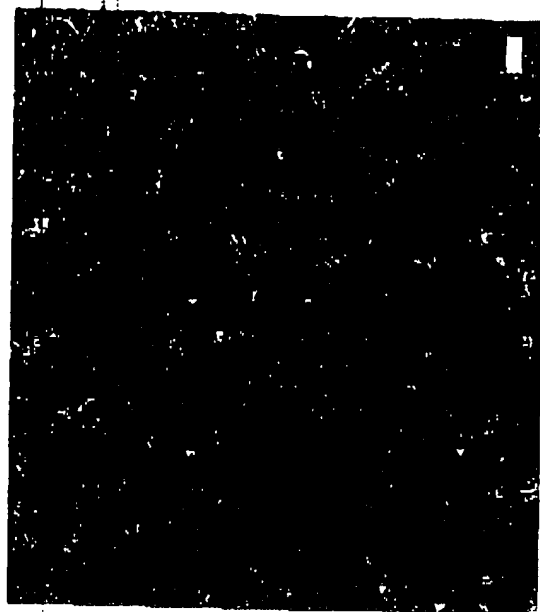
Hybridoma culture supernatant: No.23
Isolated human hepatocytes (49 years old)

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Fig. 5/2

At day 8 in culture



Bar, 100 μ m

At day 1 in culture



R3 fraction

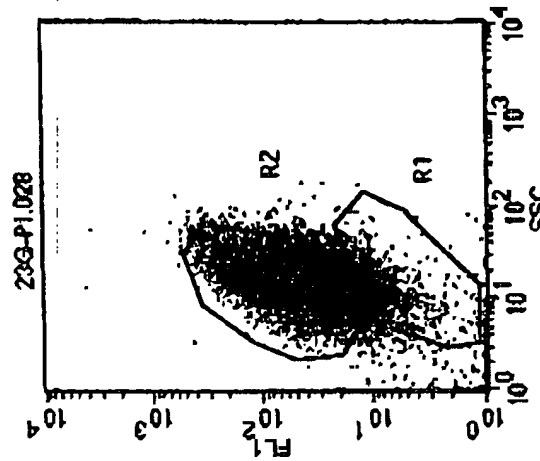
Hybridoma culture supernatant: No.23
Isolated human hepatocytes (49 yeas old)

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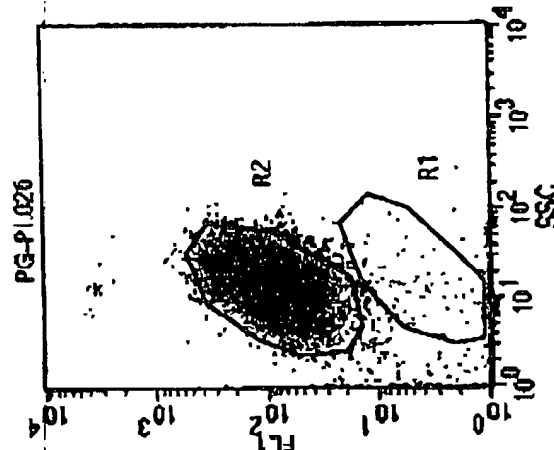
Fig. 6

No. 23 (IgG)



Total Events: 10000

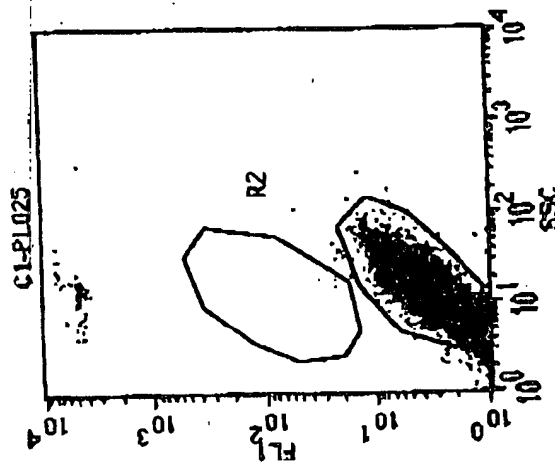
Region	Events	% Gated
R1	694	6.94
R2	7921	79.21

Positive control
(Immunized mouse serum)

Total Events: 10000

Region	Events	% Gated
R1	75	0.75
R2	9415	94.15

Negative control



Cultured human hepatocytes
(12 years old, male, 5 passages of subculture)

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Fig. 7

Spheroid formation of cultured hepatocytes on MATRIGEL

Monolayer culture



Culture after 1 day

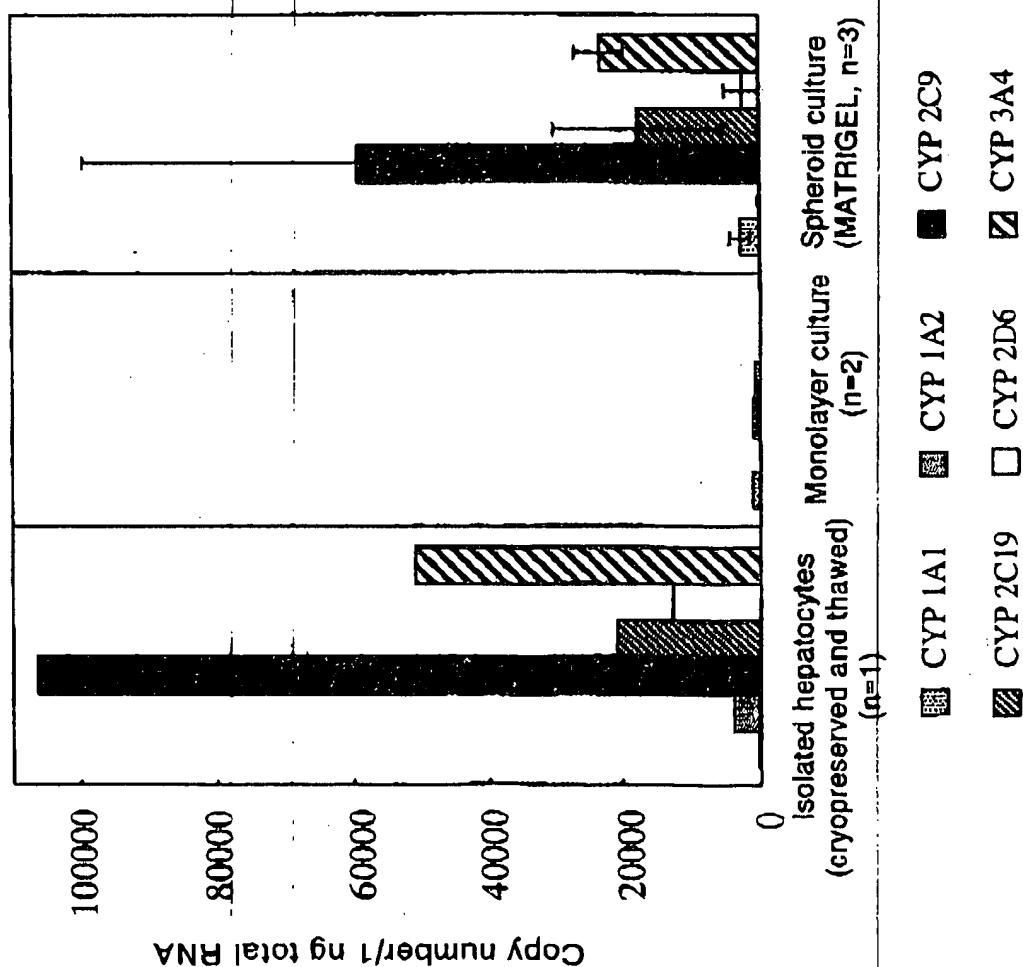
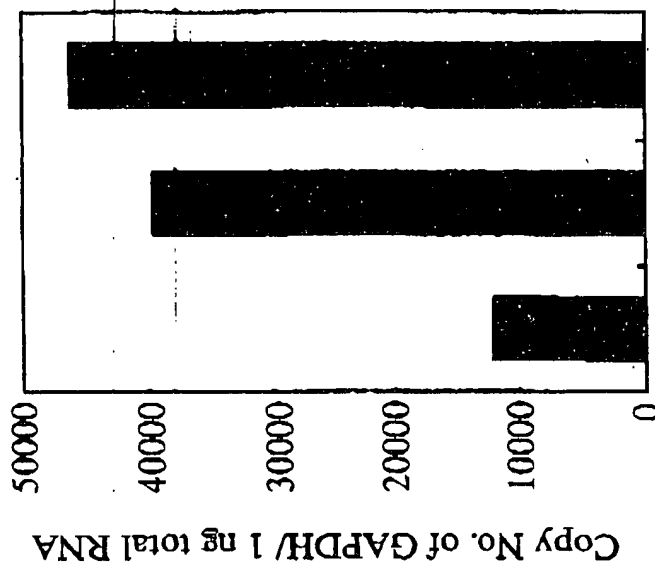


Culture after 7 days

100 μ m

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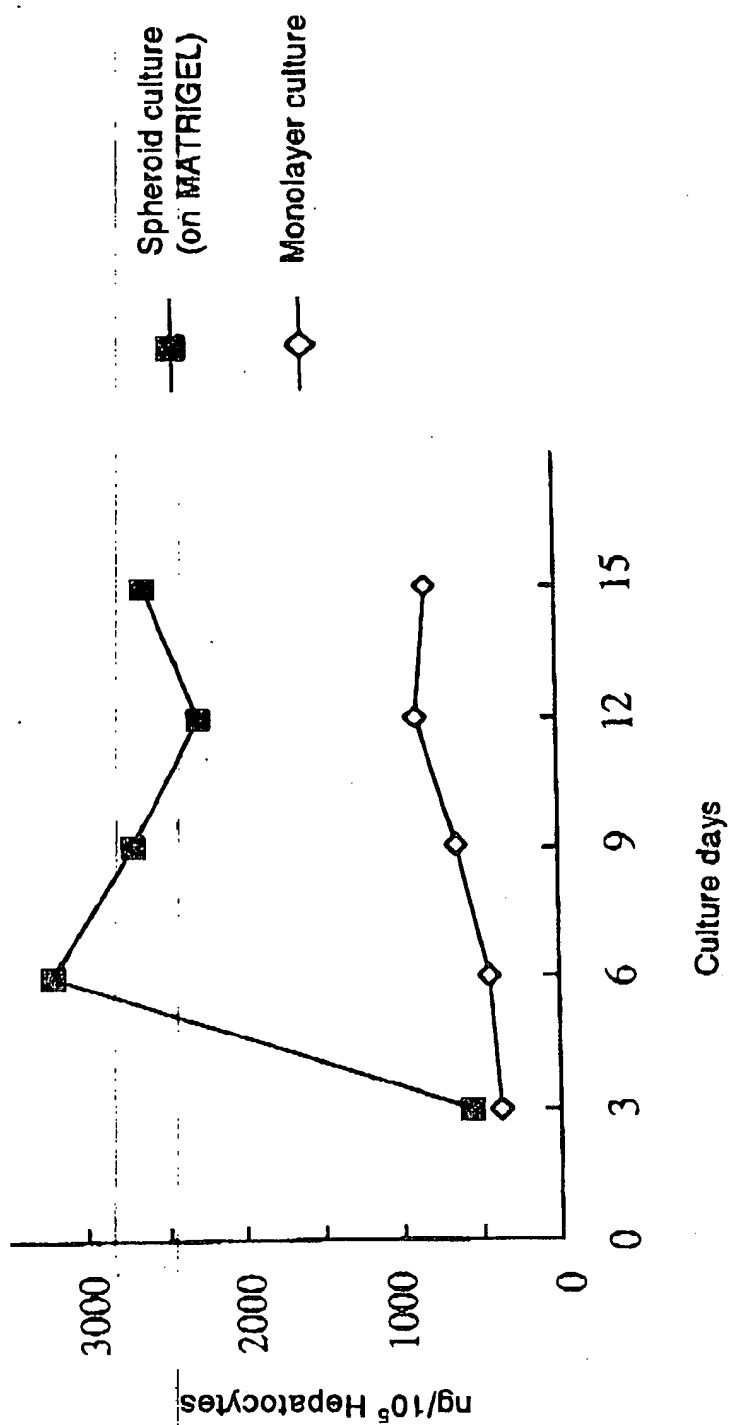
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Fig. 8



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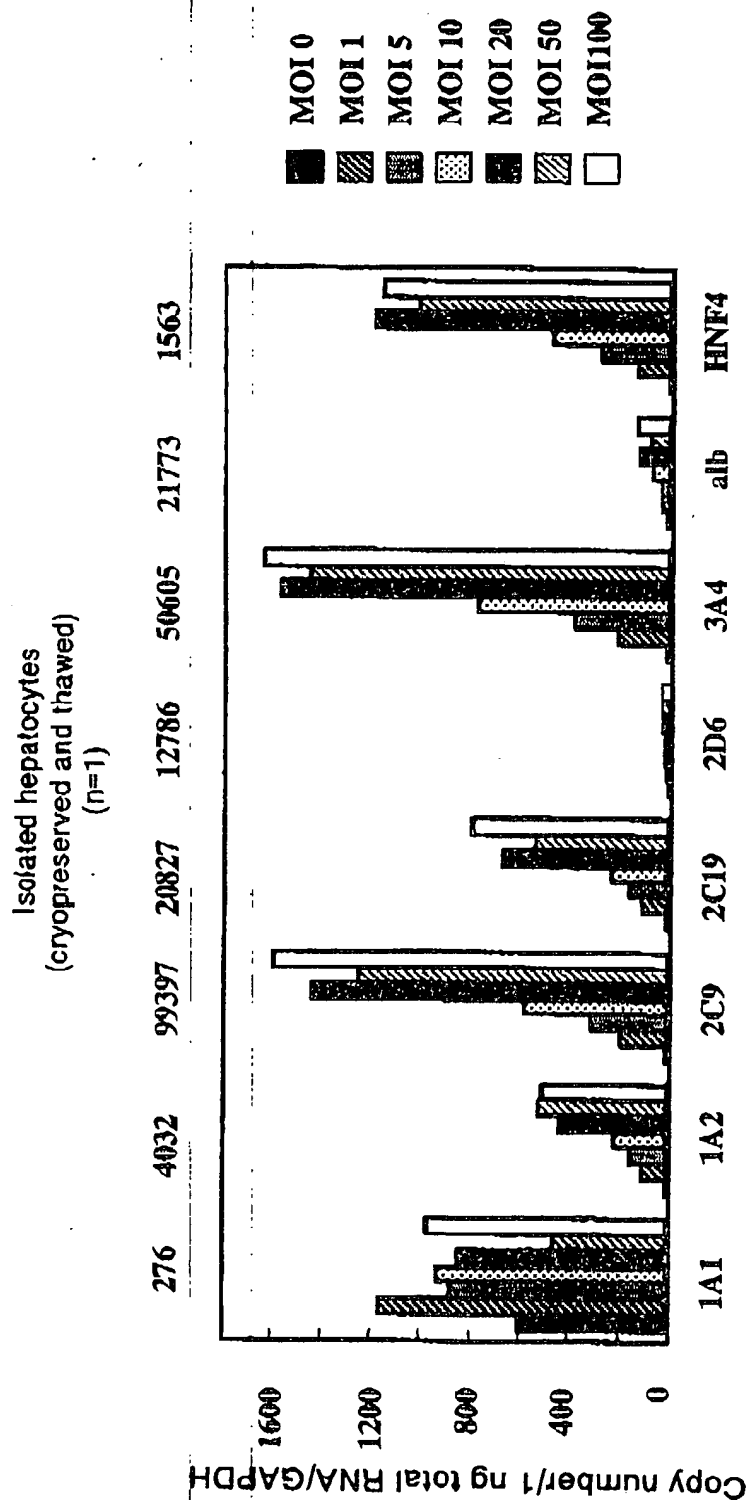
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Fig. 9



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Fig. 10



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